**ALMATY TECHNOLOGICAL UNIVERSITY**

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**29 May- 02 June 2023**

**Innovative technologies of engineering and digitalization**

**KAZAKHSTAN**

**ALMATY**

**Almaty Technological University**

***The program of the international summer school of the Faculty of Engineering and Information Technology is aimed at:***

***• studying the basics of cryogenic refrigeration equipment and air conditioning systems;***

***• study of the global refrigeration sector in the global economy;***

***• the main directions of development of low temperature technology***

***• c*reating 2D models and 3D animation in AutoDesk*;***

***• mastering the basic rules of using Python;***

* **variables and Data Types.**

**Lecturers:**

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| Бараненко Александр Владимирович  **Baranenko Alexander** | Doctor of Technical Sciences, Professor, Honored Scientist of the Russian Federation. Vice President of the International Academy of Cold, editor-in-chief of the scientific and theoretical journal "Bulletin of the International Academy of Cold".  Baranenko A.V. is a well-known specialist in refrigeration technology and technology. He is the author of seven monographs, 15 textbooks and manuals, more than 200 scientific articles on the cold industry. The award of the Government of the Russian Federation was received for a set of textbooks and taskbooks on refrigeration technology of food products. |
| **Tsoy Aleksandr** | Doctor of Technical Sciences, Professor of the Department "Machines and apparatuses of production processes". Chairman of the representative office, Academician of the International Academy of Cold in the Republic of Kazakhstan. President of the Kazakhstan Refrigeration Industry Association. Scientific and methodological publications in a total of 131, including textbooks - 6, in rating scientific publications (with an impact factor) - 10, the Hirsch index – 3. Head of the scientific project of the state grant on the topic "Research and development of scientific and engineering foundations for the use of radiation cooling in refrigeration and air conditioning systems". He was awarded an Honorary Diploma of the Minister of Education and Science of the Republic of Kazakhstan. |
| **Seidazimov Syrym** | Master of Technical Sciences in "Information Systems". Seydazimov S. constantly improves his level of qualification in the field of information technology, security of information systems and development of iOS applications, web development, and also participates in various StartUP projects. 4 articles have been published at international conferences. Participant of the project "Development of the theory of focusing and aberration of electron beams of relativistic energies in electrostatic lens-mirror systems and calculation of electronic mirrors of real designs for scientific and (or) scientific and technical projects for 2020-2022" with a implementation period of 27 months. |
| **Nauryzbayeva Aigerim** | Master of Technical Sciences, Assistant of the Department of Automation and Robotics. Author of more than 5 different articles in journals and conferences. Constantly improves the level of their qualifications in the field of mechanical engineering. |

**AG E N D A OF SUMMER SCHOOL**

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| **29 May**  **Monday** | **09:00 – 09:30** | OPENING CEREMONY  Мain academic building  Small assembly hall  Login: 876-243-6555  Password: Qwerty1234 |
| **10:30 – 11:15** | SeidazimovSyrym  «Introduction to Python»  Lecture hall:312-2Б  Login: 694 320 5387  Password: Qwerty1234 |
| **11:25 – 12:10** | **SeidazimovSyrym**  «Variables and Data Types»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** |
| **12:20 – 13:05** | **Baranenko Alexander**  «The global refrigeration sector in the global economy»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** |
| **13:15 – 14:00** | **Baranenko Alexander**  «The global refrigeration sector in the global economy»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** |
| **30 May**  **Tuesday** | **09:50 – 10:35** | **SeidazimovSyrym**  «Operators and Loops»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** |
| **10:40 – 11:25** | **SeidazimovSyrym**  «Operators and Loops»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** |
| **11:30 – 12:15** | **Baranenko Alexander**  «The main directions of development of low temperature technology»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** |
| **12:20 – 13:05** | **Baranenko Alexander**  «The main directions of development of low temperature technology»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** |
| **31 May Wednesday** | **09:50 – 10:35** | **Aleksandr Tsoy**  «Cryogenic refrigeration equipment air conditioning systems»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **10:40 – 11:25** | **Aleksandr Tsoy**  «Cryogenic refrigeration equipment air conditioning systems»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **11:30 – 12:15** | **Baranenko Alexander**  «Development of liquefied natural gas production»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **12:20 – 13:05** | **Baranenko Alexander**  «Development of liquefied natural gas production»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **01 June Thursday** | **09:50 – 10:35** | **Nauryzbayeva Aigerim**  «Creating 2D models in AutoDesk»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **10:40 – 11:25** | **Nauryzbayeva Aigerim**  «Creating 2D models in AutoDesk»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **11:30 – 12:15** | **Baranenko Alexander**  «The use of renewable energy sources in cooling systems»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **12:20 – 13:05** | **Baranenko Alexander**  «The use of renewable energy sources in cooling systems»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **02 June Friday** | **09:50 – 10:35** | **Nauryzbayeva Aigerim**  «AutoDesk-tags 3D animation»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **10:40 – 11:25** | **Nauryzbayeva Aigerim**  «AutoDesk-tags 3D animation»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **11:30 – 12:15** | **Baranenko Alexander**  «Development of complex systems for simultaneous production of electricity, heat and cold»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **12:20 – 13:05** | **Baranenko Alexander**  «Development of complex systems for simultaneous production of electricity, heat and cold»  **Lecture hall:312-2Б**  ***Login:* 694 320 5387**  ***Password: Qwerty1234*** | |
| **14:00 – 15:00** | Finish ceremony  Presentation of certificates to participants  Мain academic building  Small assembly hall  ***Login: 876-243-6555***  ***Password: Qwerty1234*** | |